Car Navigation System
OWNER'S MANUAL

OPTIMA

Please read this manual carefully before operating your set and retain it for future reference.
Designs and specifications are subject to change without prior notice.

KIA MOTORS

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Safety notes

CAUTION

RISK OF ELECTRIC SHOCK DO NOT OPEN

CAUTION : TO REDUCE THE RISK OF ELECTRIC SHOCK DO NOT REMOVE THE COVER(OR BACK) NO USER SERVICEABLE PARTS INSIDE. REFER SERVICING TO QUALIFIED SERVICE PERSONNEL.

The lightning flash with the arrowhead symbol, within an equilateral triangle is intended to alert the user about the presence of uninsulated dangerous voltage within the product's enclosure that may be of sufficient magnitude to constitute a risk of electric shock.

The exclamation point within an equilateral triangle is intended to alert the user to the presence of important operating and maintenance (servicing) instructions in the literature accompanying the appliance.

Always operate the vehicle in a safe manner. Do not become distracted by the vehicle while driving, and always be fully aware of all driving conditions. Do not change settings, or any functions. Pull over in a safe and legal manner before attempting such operations.
To promote safety, certain functions are disabled unless the hand break is on.

To reduce the risk of electric shock, do not remove the cover or back of this product. There are no user-serviceable parts inside. Refer servicing to qualified service personnel.

To reduce the risk of fire or electric shock, do not expose this product to dripping or splashing water, rain, or moisture.

When driving your vehicle, be sure to keep the volume of the unit low enough to allow you to hear sounds coming from the outside.

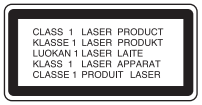
Do not drop it and avoid heavy impacts at anytime.

The driver must not watch the monitor while driving. If the driver watches the monitor while driving, it may lead to carelessness and cause an accident.

WARNING:

- Don't use a cellular phone when you are driving. You must stop at a safe-place to use a cellular phone.
- The use of the navigation radio by no means relieves the driver of his/her responsibilities. The highway code must always be observed. Always observe the current traffic situation.
- The applicable traffic regulations and the prevailing traffic situation always take precedence over the instructions issued by the navigation system if they contradict one another.
- For traffic safety reasons, use the navigation system menus only before starting a journey or when the vehicle is stationary.
- In certain areas, one-way streets and turn off and entry prohibitions (e.g. pedestrian zones) are not recorded. In areas such as these the navigation system will issue a warning. Pay particular attention to one-way streets and turn off and entry restrictions.
- The navigation system does not take the relative safety of the suggested routes into consideration. Road blocks, building sites, height or weight restrictions, traffic or weather conditions or other influences which affect the route safety or travel time are not taken into consideration for the suggested routes. Use your own discretion in order to decide on the suitability of the suggested routes.
- The current legal road traffic speed limit always takes priority over the values stored on the data CD. It is impossible to provide an assurance that the speed values of the navigation system will always match those of the current traffic regulations in every situation.
  Always observe the applicable legal speed limits the traffic regulations. The vehicle speedometer must always be given priority for display of the vehicle speed.
- Do not rely exclusively on the navigation system when attempting to locate an emergency service (hospital, fire service etc.). It cannot be guaranteed that all available emergency services in your vicinity are stored in the database. Use your own discretion and abilities to secure help in such situations.

CAUTION :



This product uses a Laser System.
To ensure proper use of this product, please read this owner's manual carefully and retain it for future reference. Should the unit require maintenance, contact an authorized service center. Performing controls, adjustments, or carrying out procedures other than those specified herein may result in hazardous radiation exposure.
To prevent direct exposure to laser beam, do not try to open the enclosure. Visible laser radiation when open. DO NOT STARE INTO BEAM.

CAUTION :
CLASS 1M VISIBLE AND INVISIBLE LASER RADIATION WHEN OPEN DO NOT VIEW DIRECTLY WITH OPTICAL INSTRUMENTS.

CAUTION :

- Do not keep the navigation system running with the engine stopped. Doing so may discharge the vehicle battery. When you use the navigation system, always keep the engine running.
- When the driver wants to operate the navigation system, first park the vehicle in a safe location and set the parking brake. Operating the system while driving can distract the driver and may result in a serious accident.
- Do not disassemble or modify this system. If you do, it may result in accidents, fire, or electrical shock.
- Some country may have laws limiting the use of video screens while driving. Use the system only where it is legal to do so.
- Do not use your phone in private mode when you are driving. You must stop at a safe location to use it.

Types of Playable Discs

This unit plays CD-R or CD-RW containing audio titles, MP3 or WMA files.

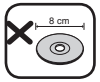
- Depending on the conditions of the recording equipment or the CD-R/RW disc itself, some CD-R/RW discs cannot be played on the unit.
- Do not attach any seal or label to either side (the labeled side or the recorded side) of a disc.
- Do not use irregularly shaped CDs (e.g., heart-shaped or octagonal). It may result in malfunctions.

Handling discs

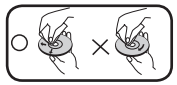
- A defective or soiled disc inserted into the unit can cause sound to drop during playback.
- Handle the disc by holding its innerouter edges.
- Do not touch the surface of the unlabeled side of the disc.

Do not stick paper or tape etc. on the surface.

Do not expose the disc to direct sunlight or excessive heat.



This unit cannot play 8 cm disc (use 12 cm disc only).



- Clean the disc before playback. Wipe the disc from the center outward with a cleaning cloth.
- Never use solvents such as benzine or alcohol to clean the disc.

NOTES ON COPYRIGHTS

It is forbidden by law to copy, broadcast, show, broadcast via cable, play in public, or rent copyrighted material without permission.

This product features the copy protection function developed by Macrovision. Copy protection signals are recorded on some discs. When playing the pictures of these discs on a unit, picture noise will appear. This product incorporates copyright protection technology that is protected by method claims of certain U.S. patents and other intellectual property rights owned by Macrovision Corporation and other rights owners. Use of this copyright protection technology must be authorized by Macrovision Corporation, and is intended for home and other limited viewing uses only unless otherwise authorized by Macrovision Corporation. Reverse engineering or disassembly is prohibited.

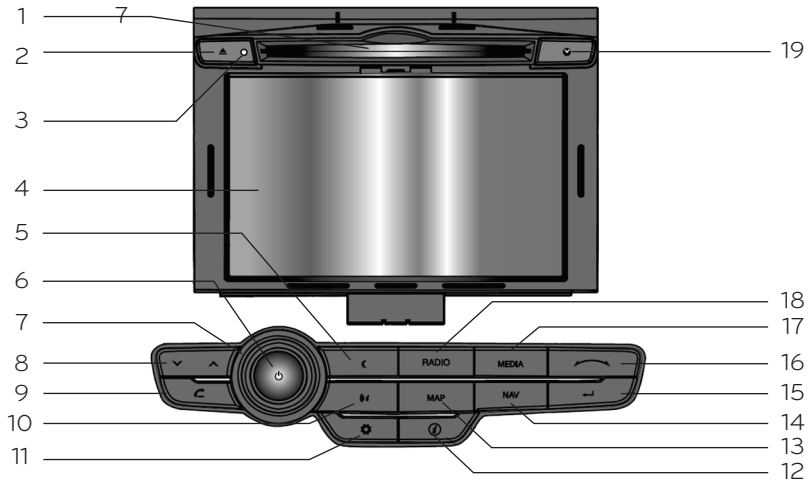
Disposal of your old appliance

1. When this crossed-out wheeled bin symbol is attached to a product, it means the product is covered by the European Directive 2002/96/EC.
2. All electrical and electronic products should be disposed of separately from the municipal waste stream via designated collection facilities appointed by the government or the local authorities.
3. The correct disposal of your old appliance will help prevent potential negative consequences for the environment and human health.
4. For more detailed information about disposal of your old appliance, please contact your city office, waste disposal service or the shop where you purchased the product.

iPod and iPhone is a trademark of Apple Inc., registered in the U.S. and other countries.
"Made for iPod" means that an electronic accessory has been designed to connect specifically to iPod and has been certified by the developer to meet Apple performance standards.
"Works with iPhone" means that an electronic accessory has been designed to connect specifically to iPhone and has been certified by the developer to meet Apple performance standards.
Apple is not responsible for the operation of this device or its compliance with safety and regulatory standards.

Bluetooth® is a trademark owned by Bluetooth SIG, Inc.

Control Panel



1. **Disc slot (⏻ / ◢)**

2. **Eject (⏏)**
   Press to eject a disc from the unit.

3. **CD indicator light**
   When a disc is inserted, the indicator is illuminated.

4. **LCD**
   Touch to operate.

5. **Display on/off (☾)**
   Press to switch between the display on and off.

6. **Power (⏻)**
   Press to turn the power on/off.

7. **Volume knob**
   Turn the volume knob to adjust the volume.

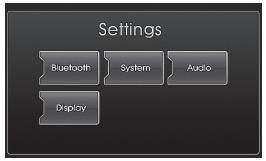
8. **^ / v**
   • Press to:
   - Automatic tuning: RADIO
   - Track up/down: USB CD iPod BT
   • Press and hold to:
   - Search (FF/REW): USB CD iPod BT

9. **PHONE ( )**
   Press to operate Bluetooth Hands-Free function.

10. **Repeat voice guidance ( )**
    Push to repeat the last guidance advice when guidance is active.

11. SETUP ( )

• Press to access system settings. (Page 16)



• Press and hold to check the device ID, the software version, the navigation version, and the map version.

12. Info ( )

Press to view the destination, route, information.

• Destination: Shows the information of current vehicle position and destination.

• Route: Shows the route information.

13. MAP

Press to display the map.

14. NAV

Press to enter destination menu. Various methods for entering a destination are available.

15.

Press to acknowledge an item selection.

16.

Press the button.

• Searches the previous or next radio frequency.
 - Manual tuning

• Skips a track/file up/down in all list screen.

• ZOOM IN/ZOOM OUT
 - changes the map scale on the map screen.

17. MEDIA

Press to select a source: CD/USB/iPod/BT/AUX

18. RADIO

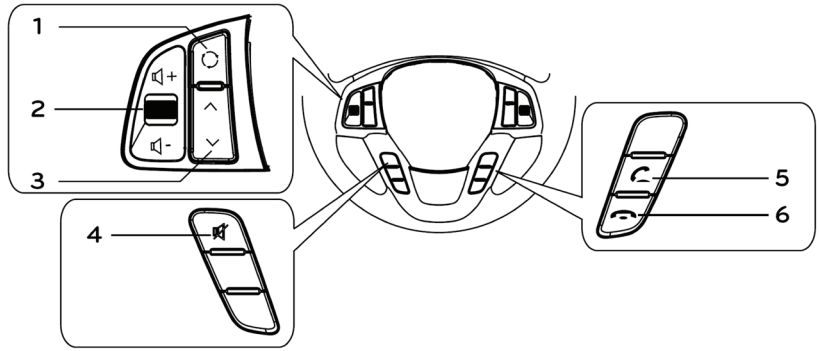
Press to select FM/AM band.

19. Clock ( )

• Press to display the digital/analog clock in both power on/off status.

• Press and hold to display to the [Clock] menu. (Page 17)

Steering wheel remote control



1. ⟳
Press the select a source.
FM → AM → CD → USB(or iPod) → BT → AUX → FM...

2. Volume (🔊+ / 🔊-)
Increases or decreases the volume level.

3. ∧/∨
- Press to:
  - Automatic tuning: RADIO
  - Track up/down: USB CD iPod BT
- Press and hold to:
  - Manual tuning: RADIO
  - Search (FF/REW): USB CD iPod BT

4. 🔇
Mutes the volume.

5. 📞
Press to operate Bluetooth Hands-Free function.
- Press to accept a call.
- Press to make a call from last calls.
- Press and hold to switch the sound path during a call.
  (Hands free ↔ phone)

6. 📵
Press to hang up a call.

Start-up screen

The unit starts after ignition switch is in ACC or ON position.

∗Note

- The unit memorizes the last mode that is played lastly. The last mode is saved in the memory even if the ignition switch is placed in the OFF position. When the ignition switch is placed in the ACC or ON position, the mode is automatically recalled.
- It may take long time (about 20 seconds) for the unit to be rebooted.

Turning the unit on

Press ⏻ on the control panel when the system is off.

∗Note

When you insert the disc in the disc slot, the unit is turned on automatically.

Turning the unit off

Press ⏻ on the control panel when the system is on.

Inserting a disc

Insert a disc into the disc slot and playback starts automatically.

Ejecting a disc

Press ⏏ on the control panel.
The disc is ejected from the loading slot.

∗Note

If the ejected disc is not removed in approximately 10 seconds, the disc is automatically inserted again into the loading slot.

Adjusting the volume

Rotate the volume knob (◢) on the control panel.

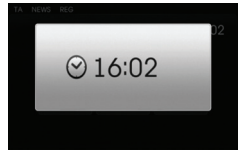
∗Note

When you turn the unit off, the current volume level is automatically memorized. Whenever you turn the unit back on, it operates at the memorized volume level.

If you turn the unit off/on below volume level 1, the volume level is changed to 1. If you turn the unit off/on above volume level 20, the volume level is changed to 20.

Displaying the GPS time

Displaying the GPS time Press the time ( ) on the control panel when the system is on.



Press the time ( ) on the control anel when the system is off.

∗Note

When the satellite signal is not received, the “Synchronizing GPS time. Please wait!” pop-up appears on the screen. When the satellite signal is received, the GPS time is displayed on the screen. To receive the satellite signal, move to an area free from tall obstructions.

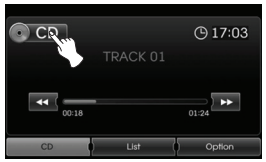
Selecting a source on the control panel

Press MEDIA repeatedly to select a source.
The mode switches as follows.
CD → USB(or iPod) → BT → AUX → CD...

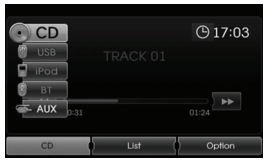
∗Note
If a source is not connected to the unit, the source is not recognized.

Selecting a source on the screen

1. Select the source icon as shown in the figure.



2. Touch the desired source.



∗Note
If a source is not connected to the unit, the source is not recognized.

Rear view camera

The rear view mode is displayed on the unit when the gearshift is moved to **REVERSE (R)** position.
Rear view mode also allows you to check what is behind the vehicle.

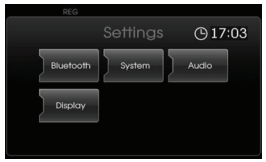
When the unit is booted completely, the guide line is displayed on the screen.

∗Note
- The rear view camera helps the driver when driving in reverse direction. Do not use this function for entertainment purposes.
- The object in rear view may appear closer or more distant than in reality.

General operations of SETUP menu

The navigation system allows configuration on the following menus: Bluetooth, System, Traffic, Navigation, Audio, Display

1. Turn the unit on.
2. Press ⚙ on the control panel.



3. Touch the desired option.
4. Touch the desired settings then touch [OK] to confirm your selection.

∗Note

Touch ↩ to return to the previous screen. Press MAP to return to the current location map screen.

Bluetooth

This menu describes connection schemes of Bluetooth.

View Bluetooth Device List

Allows you to view the paired device list.

Search for Bluetooth Devices

This allows you to search for bluetooth device by using the device´s bluetooth settings. (Page 20)

External Device Authorization

This allows you to use when you connect your unit and bluetooth phone by using your bluetooth phone settings. (Page 21)

Change Passkey

You can change the passkey. (Page 22)

System

This menu describes system settings.

Language

Allows you to change the system and voice recognition language.

Select the language you wish to use. Use ▲ or ▼ to scroll up or down if necessary.

Clock

This allows you to set the time format and the summer time.

• Time Format: Change the time format between the "12h" and "24h".

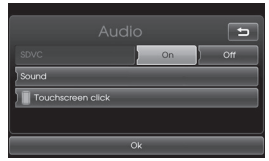
Factory settings

Allows you to set all of the settings back to default.

- All: resets all the settings back to the default settings.
- Phone: resets all settings related with phones.
- Audio/Media/Radio: resets all the settings related with Audio/Media/Radio.

Audio

There are four kinds of screen menus.



SDVC (Speed Dependent Volume Control)

When the speed of your vehicle is more than 40 km/h, the audio volume level is higher than the original audio volume level.

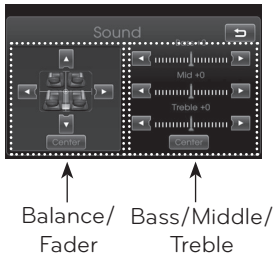
You can set the SDVC to Off, Low, Mid or High.

- Off: volume control is not speed-dependent.
- Low, Mid, High: volume increases as the vehicle speeds up.

Touchscreen Click

Set the touchscreen sound to On/Off.

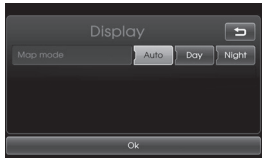
Sounds(Default : Center)



- Balance: Touch ◀ or ▶ to adjust the sound the left and right speakers.
- Fader: Touch ▲ or ▼ to adjust the sound of the front and rear speakers.
- Bass, Mid, Treble: Touch ◀ or ▶ to adjust the Bass, Middle or Treble.

＊Note
Touch [Center] to return to the default settings.

Display
This menu describes the display settings.



Brightness
Set the display brightness to Low, Mid (Middle), or High.

Map Mode
Map colours combination can be changed to improve visibility at day and night.
- Auto: map is displayed by autolight or illumination signal.

	Illumination On	Illumination On
Autolight Off (Day)	Map: Day	Map: Day
Autolight On (Night)	Map: Night	Map: Night
Autolight is not detected	Map: Night	Map: Day

- Day: The map is always displayed in bright colours.
- Night: The map is always displayed in dark colours.

Understanding Bluetooth wireless technology

Bluetooth wireless technology establishes a wireless link between two devices supported with Bluetooth.
The first time you use two devices together you must pair them by establishing a connection using a Passkey. After the initial pairing, the two devices can connect automatically each time you turn them on.

∗Note

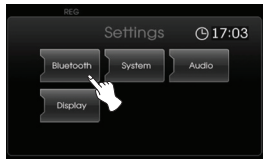
- There may be restrictions on using Bluetooth technology in some locations.
- Due to the variety of Bluetooth phones and their firmware version, your device may respond differently when performing over Bluetooth.
- Any inquiries regrading your phone's Bluetooth functionality, refer to the device manual.

Connecting the unit and a device

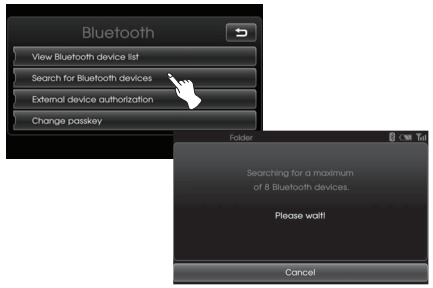
To use the Bluetooth feature, make sure the Bluetooth on your phone is turned on. Refer to your phone's user guide.

To connect using the unit settings (1)

1. Press ✿ on the control panel
2. Touch [Bluetooth].

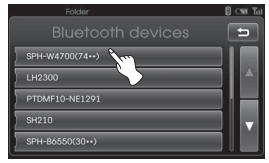


3. Touch [Search for Bluetooth Devices].



If you want to cancel, touch [Cancel].

4. Select the desired Bluetooth phone from the "Bluetooth devices" screen.



5. Input the passkey (Presented by unit, default: 0000) to your phone. When it is successfully connected, the Bluetooth main screen appears on the screen.

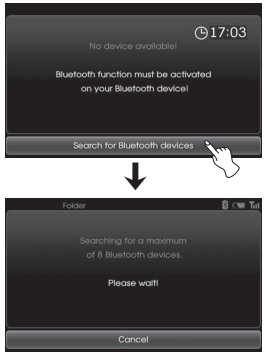
When it is successfully connected, the Bluetooth main screen appears on the screen.

∗Note

If the unit continues to fail to connect to your bluetooth phone, please reset all settings related with phones. (Refer to the [Factory settings] on the page 17.)

To connect using the unit settings (2)

1. Press ↩ on the control panel.
2. Press [Search for Bluetooth Devices].



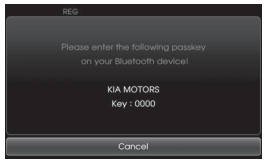
3. Follow steps 4-5 on the page 20.

∗Note
If the unit continues to fail to connect to your bluetooth phone, please reset all settings related with phones. (Refer to the [Factory settings] on the page 17.)

To connect using the device settings

To use the Bluetooth feature, make sure the Bluetooth on your phone is turned on. Refer to your phone's user guide.

1. Turn on the phone's Bluetooth.
2. Press [⚙] > Touch [Bluetooth] > [External Device Authorization].



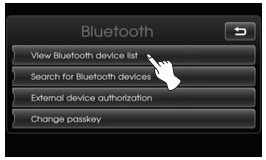
   If you want to cancel, touch [Cancel].

3. In your phone, initiate a search for Bluetooth devices.
4. After search is completed in your phone, select "KIA MOTORS".
5. Input the passkey (presented by unit, default: 0000) to your phone.
   When your phone is successfully connected, the phone main screen is displayed on the unit.
   When the connection fails, failure message is displayed on the unit.

∗Note
If the unit continues to fail to connect to your bluetooth phone, please reset all settings related with phones. (Refer to the [Factory settings] on the page 17.)

Viewing the connected device

1. Touch [View Bluetooth Device List] on the "Bluetooth" Screen.



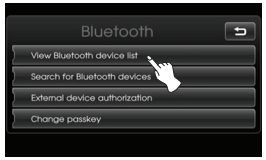
2. Check the connected device on the "Bluetooth devices" screen.

The connected phone is highlighted by .
mark indicates hands-free and audio streaming functions are enabled.
mark indicates only hands-free function is enabled.

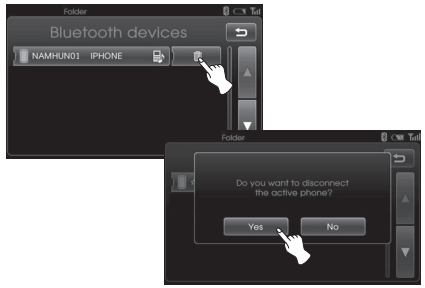
Disconnecting the bluetooth phone

1. Press [ ] > Select [Bluetooth].

2. Touch [View Bluetooth device list] on the "Bluetooth" Screen.



3. Select the connected phone. And then touch [Yes].

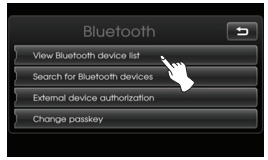


Your phone is disconnected and the mark disappears.

Connecting the bluetooth phone

1. Press [ ] > Select [Bluetooth].

2. Touch [View Bluetooth Device List] on the "Bluetooth" screen.



3. Select the desired phone and confirm connection by selecting [Yes].

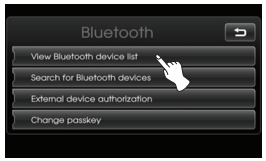
The mark appears again.

Deleting a connected phone

If you no longer need to use a phone, you can delete it from [Bluetooth devices] List.

1. Press [⚙] > Select [Bluetooth].

2. Touch [View Bluetooth Device List] on the "Bluetooth" screen.



3. Select 🗑 mark on the right side of the phone you wish to delete.

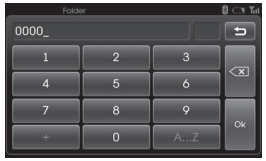
4. Touch [Yes].

The selected phone is now deleted.

Changing the passkey

1. Press [⚙] > Select [Bluetooth] > [Change passkey].

2. Input the passkey using the keypad.



3. Touch [Ok].

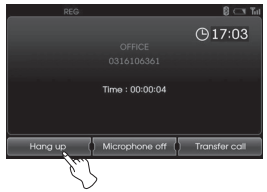
Making a call by entering phone number

Connect your unit and Bluetooth phone before making a call.

1. Press the ☎ button on the control panel.
   The phone main screen is displayed on the unit.

2. Enter the phone number using the keypad and select ☎.

3. To finish the call, select [Hang up].



∗Note

- If you make a mistake, press C shortly to remove the last digit. To remove the whole number, press and hold C.
- Select and hold ☎ to redial.
- To enter "+", select and hold [0].

Transfer a call

To transfer a call between the unit and your phone, select [Transfer call]/[Transfer call back].

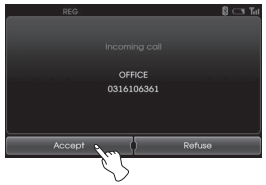
Switching the microphone on/off

You can switch the microphone on/off by touching [Microphone off]/[Microphone on].

Answering calls

1. When you receive a call, your phone rings and the "Incoming Call" window is displayed on the unit.

2. Touch [Accept] to answer the call.



To reject a call, select [Refuse].

∗ Note

- If the Call-ID service is available, the caller's phone number is displayed.
- If caller's phone number is stored in the phone book, the caller's name is displayed on the unit.

Using your Phone Book

You can use the phone book entries stored on the memory of phone supporting PBAP (Phone Book Access Profile). After connecting your unit and bluetooth phone via Bluetooth wireless technology, the numbers in your phone's phone book is transferred automatically into phone book.

Calling a number in the phone book

1. Press ↩ on the control panel. And then touch [Phone book].

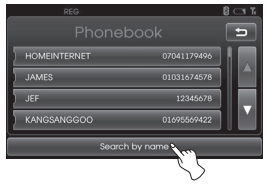
2. Select the phone book entry you want to call.

You can scroll over the phone book by selecting ▲ or ▼.

3. To finish the call, select [Hang up].

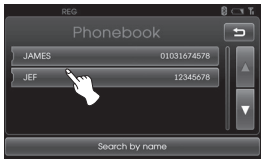
Searching for phone book entries

1. Touch [Search By Name] on the "Phone book" screen.



2. Enter the first letters of the searched name by using the keypad. The number on the right side of the textbox indicates how many phone book contacts match your entry. Press [Ok] to see the list of matching contacts.

3. Select the contact you want to call.



You can scroll over the list by selecting ▲ or ▼.

4. To finish the call, select [Hang up].

Using your Calling list

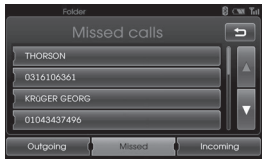
You can use the calling list stored on the memory of phone supporting PBAP (Phone Book Access Profile).
After connecting your unit and bluetooth phone via Bluetooth wireless technology, the numbers in your phone's [Outgoing calls], [Missed calls], and [Incoming calls] list is transferred automatically into calling list.

Calling a number in the calling list

1. Press ↩ on the control panel. And then touch [Calling lists].

2. Touch [Outgoing], [Missed], or [Incoming].

Outgoing Calls



Missed Calls

Incoming Calls

3. Touch the entry you want to call.

4. To finish the call, select [Hang up].

Making a call with speed dial numbers

You can assign up to 12 speed dial numbers from phone book or calling lists.

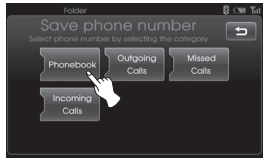
Assigning phone numbers to the speed dial list

1. Press ↩ on the control panel, then select [Speed dial].

2. Touch and hold one of speed dial numbers (1-12). (For example: 1)

You can switch between speed dial pages by touching ▶ or ◀.

3. Select one of the categories. (For example: Phone book)



4. Select the entry you want to assign to speed dial number.

5. Enter the name by using the keypad, then touch [Ok].

The entry is now assigned to the speed dial number.

Calling a number in the speed dial list

1. Press ↩ onthe control panel, then select [Speed dial].

2. Select one of the speed dial numbers to make a call.

3. To finish the call, select [Hang up].

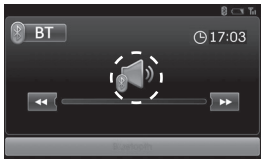
Activating the audio streaming mode

Connect the unit and your phone before activating the audio streaming mode. (Pages 19- 20)

Press MEDIA repeatedly until "BT" appears on the screen.

∗Note

If the track information (title, artist, album) is not transferred by your phone, the appears on the screen.



Skipping the tracks

Touch or to select the previous/ next track.

Fast Forward/Rewind

Select and hold the to rewind. Select and hold to fast forward.

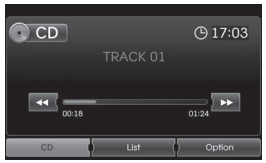
∗Note

- The unit may not support the audio streaming function depending on the type of the phone.
- If you disconnect your unit and the Bluetooth device, the music is not played on the device.

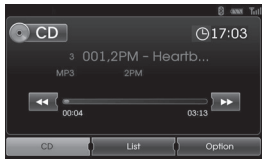
Playing an audio CD and MP3/ WMA/ USB/ iPod files

Disc

Insert a disc into the disc slot and playback will start automatically.



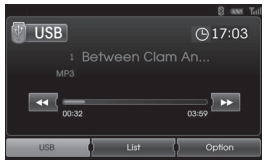
Audio CD



MP3/WMA CD

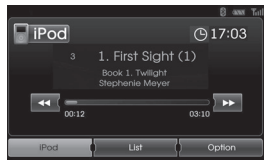
USB

You can play the files recorded in a USB memory device.
Connect a USB device to the USB port and playback starts automatically.



iPod

You can play an iPod device on the unit by connecting the iPod to the USB port by using the appropriate cable.
Connect an iPod device to the USB port and playback starts automatically.
For details about iPod, refer to the iPod User Guide.



∗ Note

- You can play 12-cm audio CDs on your CD player. We strongly recommend only playing 12-cm CDs. Please do not play 8-cm CDs (neither with nor without an adapter).
- On no account must designer (unusually shaped) CDs be inserted into the
- drives. If you ignore these recommendations, you risk damaging your unit.
- The system may not be able to play copy-protected audio CDs, which do not correspond to the audio CD standard or play them properly.
- We strongly recommend only using USB sticks (thumb drives) of wellknown manufacturers.
- On no account must other USB devices such as hard discs or other digital equipment be connected to the USB hub. Connecting other devices can cause malfunction or even destroy the audio equipment.
- If the iPod or iPhone freezes, one way of remedying the situation is to reset the device. If iPod playback with your iPhone does not work with any sound, please switch the active audio path of your iPhone from Bluetooth to the dock connector.

Skipping to the next track/file

ALL

Touch ▶▶ to select the next track/file.

Skipping to the previous track/file

Disc - Audio CD **USB**

Disc - MP3/WMA

Touch ◀◀ within 1 second of playback time.

iPod

Touch ◀◀ within 3 seconds of playback time.

Returnnig to the beginning of the current track/file

Disc - Audio CD **USB**

Disc - MP3/WMA

Touch ◀◀ after 1 second of playback time.

iPod

Touch ◀◀ after 3 seconds of playback time.

Search

ALL

Touch and hold the ◀◀ or ▶▶ buttons during playback and then release at the point you want.

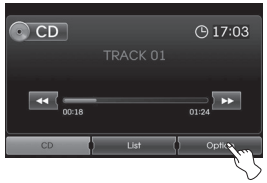
Intro scanning

Disc - Audio CD **USB**

Disc - MP3/WMA

The first 10 seconds of each tracks/files are played.

1. Touch [Option] during playback.



Example: Audio CD

2. Touch [SCAN Start].

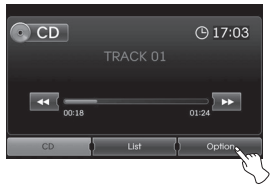
3. Touch [SCAN Stop] to cancel the intro scan.

Repeat function

ALL

The current selected tracks/files is played repeatedly.

1. Touch [Option] during playback.



Example: Audio CD

2. Touch [REPEAT] repeatedly.

Disc - Audio CD

- [REPEAT Off] : Plays repeatedly all tracks within the disc.
- [REPEAT Track] : Plays repeatedly the current track.

USB **Disc - MP3/WMA**

- [REPEAT Off]: Plays repeatedly all files within the disc or USB.
- [REPEAT Track]: Plays repeatedly the current file.
- [REPEAT Folder]: Plays repeatedly all files within the current folder.

iPod

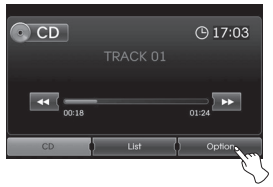
- [REPEAT Off]: Plays repeatedly all files within the iPod.
- [REPEAT On]: Plays repeatedly the current file.

RANDOM function

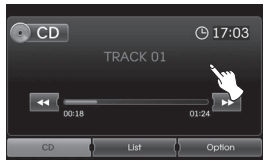
ALL

All tracks/files are played randomly.

1. Touch [Option] during playback.



2. Touch [RANDOM] repeatedly.



Disc - Audio CD

- [RANDOM All]: Plays randomly all files within the disc.
- [RANDOM Off]: Cancels RANDOM play.

USB **Disc - MP3/WMA**

- [RANDOM Off]: Cancels RANDOM play back.
- [RANDOM Folder]: The unit plays randomly within current folder.
- [RANDOM All]: The unit plays randomly all files within the disc or USB.

iPod

- [RANDOM Off]: Cancels RANDOM play.
- [RANDOM All]: The unit plays randomly all files within the iPod.
- [RANDOM Album]: The unit plays randomly all files within current album.

Playing files by classifying into folder/ Album/ Artist

USB

You can play files in a USB according to the folders, albums, or artists.

1. Touch [Option] during playback.

2. Touch [Folder], [Album], or [Artist] during playback.
   - [Folder]: Plays the files by classifying into folder.
   - [Album]: Plays the files by classifying into album.
   - [Artist]: Plays the files by classifying into artist.

∗Note

If you want to move to the playlist screen, touch USB.

Browsing through folders/files using (the) "List" menu

Disc - Audio CD **USB**

Disc - MP3/WMA

You can listen to music by displaying the track/folder/file list.

1. Touch the [List] button during playback.

Example: Audio CD

2. In case of Audio CD, touch the file you want.
   In case of MP3/WMA file, touch the folder you want. If there is no folder, select the file.

Audio CD

MP3/WMA file

3. The selected track/file is played.

∗Note

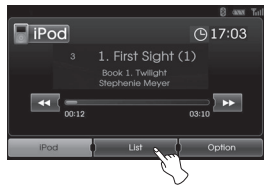
- In case of MP3/WMA file, touch the button to move to upper folder.
- Touch the ▲ or ▼ buttons to select the list you want to view.
- If you want to move to the playlist screen, touch CD.

Searching music

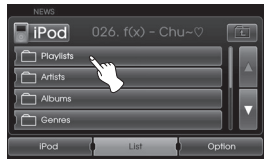
iPod

You can search within iPod for playlists, artists, albums, Genres, songs, composers, audio books, and podcasts.
For details about iPod, refer to the iPod User Guide.

1. Touch [List] during playback.



2. Touch the desired item.



- [Playlists]: Plays the songs in the [Playlists].
- [Artists]: Plays the songs in the [Artists].
- [Albums]: Plays the songs in the [Albums].
- [Genres]: Plays the songs in the [Genres].
- [Songs]: Plays the songs in the [Songs].
- [Composers]: Plays the songs in the [Composers].
- [Audio books]: Plays the songs/ chapters in the [Audio books].
- [Podcasts]: Plays the songs/chapters in the [Podcasts].

∗Note

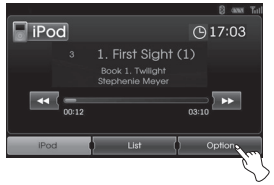
- If you want to move to upper folder, touch .
- Touch the ▲ or ▼ buttons to select the list you want to view.
- If you want to move to the playlist screen, touch iPod.

Setting audio books play speed

iPod

Setting the playback speed only affects audio books purchased from the iTunes store or audible.com.
For details about iPod, refer to the iPod User Guide.

1. Touch [Option] when you listen to songs/ chapters in the [Audiobook].



2. Touch [Audiobook] repeatedly.

- [Audiobook Normal]: Plays the audiobooks with original speed.
- [Audiobook Fast]: Plays the audio books with fast speed.
- [Audiobook Slow]: Plays the audio books with slow speed.

∗Note

If you want to move to the playlist screen, touch iPod.

USB device requirement

- This unit supports only USB Flash Drive and USB External HDD with FAT16 or FAT32 format.
- Do not extract the USB device during operation (play, etc.).
- Regular back up is recommended to prevent data loss.
- If you use a USB extension cable or USB HUB, the USB device may not be recognized.
- Some USB devices may not work with this unit.
- Digital camera and mobile phone are not supported.
- This unit is not supported when the total number of files is 10000 or more.

Compatible USB devices

- Devices which require additional program installation when you have connected it to a computer, are not supported.
- MP3 player: Flash type MP3 player
  The MP3 player requiring installation of a driver is not supported.
- USB Flash Drive: Devices that support USB2.0 or USB1.1 .

MP3/WMA file requirement

- Sampling Frequency / 16 - 48 kHz (MP3) 8 - 44.1 kHz (WMA)
- Bit rate / within 8 - 320 kbps (MP3) 5 -160 kbps (WMA)
- CD-R/CD-RW physical format should be "ISO 9660"
- If you record MP3/WMA files using software which cannot create a FILE SYSTEM, for example "Direct-CD" etc., it will not be possible to playback MP3/WMA files.
  We recommend that you use "Easy-CD Creator" which creates an ISO9660 file system.
  Customers should also note that permission is required in order to download MP3/WMA files and music from the Internet. Our company has no right to grant such permission.
  Permission should always be sought from the copyright owner.

iPod device requirement

- Compatibility with your iPod may vary depending on the type of your iPod.
- Depending on your iPod's software version, it may not be possible to control your iPod from this unit. We recommend installing the latest software version.
- If you have a problem with your iPod, please visit www.apple.com/support/ipod.
- This system can receive analog sound from the following iPod models.
  - iPod touch 1th generation
  - iPod mini (1st/2th generation)
  - iPod nano (1st/3th generation)
  - iPod classic (4st/5th/6th generation)
- If content on the iPod is not played back correctly, update your iPod software to the latest version. For details about updating the iPod, check the Apple web site <http://www.apple. com>.
- Apple is not responsible for the operation of this device or its compliance with safety and regulatory standards.

Listening to stations

1. Press the "RADIO" button to select the radio.

2. Press the "RADIO" repeatedly to select a band.
   The mode switches as follows.
   FM → AM → FM...

∗Note

To select the FM/AM by touching the screen, touch FM on the screen to select the AM and then touch AM.

3. **Auto tuning:**
   Touch ◀◀/▶▶ on the screen. Or press ∧/∨ on the control panel.
   - When a station is received, searching stops.

   Manual tuning:
   press ←/→ on the control panel.
   - The frequencies move up and down step by step.

Storing and recalling stations

You can easily store up to 12 preset stations for later recall at the touch of a button.

1. Select the band (FM, AM) you want to store a station into.

2. Select the desired frequency.

3. Touch [Presets] on the screen..

4. Touch and hold one of the preset buttons.
   The preset station information will be displayed.
   The selected preset station has been stored in memory.

   If you move to the previous/next page, touch ◀/▶.

5. Repeat steps 1 ~ 4 to preset other stations.
   Next time if you select the preset button, stations are recalled from the memory.

∗Note

When station is preset on a number of which another station has already been preset, the previously preset station is erased.

AS (Autostore)

This is only available for AM reception. This function lets you automatically store the strong broadcast frequencies.

1. Select the band to AM.
2. Touch [Option] on the screen.
3. Touch [Autostore] on the screen.

Local stations with the strong signals are searched and stored automatically in the list menu. And then the list menu appears on the screen.

4. Touch the broadcast frequency you want.

Scanning broadcast frequencies

The first 10 seconds of each broadcast frequency are played.

1. Touch [Option] on the screen in AM/FM mode.

2. Touch [SCAN Start] on the screen.
3. Touch [SCAN Stop] to cancel it.

Using an AUX source

It is possible to use auxiliary equipment with unit.

1. Press "MEDIA" until "AUX" screen appears.

AUX Audio

AUX Video

2. Connect an auxiliary device to the AUX connector, then activate the auxiliary function.

＊Note

- Some auxiliary devices that do not have the video source may not produce output to the video screen.
- In case of some iPod devices, Use the iPod cable for exclusive use of iPod for video playback when connecting iPod to the AUX connector.
- Video is not available while driving.

Adjusting the video screen (Default : Center)

For safety reasons, the video screen cannot be viewed while your vehicle is in motion. To view video screen, you must stop in a safe place and put on the handbrake.

1. Touch the screen on the aux video mode.

2. Touch "Option" on the screen.

3. Select the item you want to adjust.

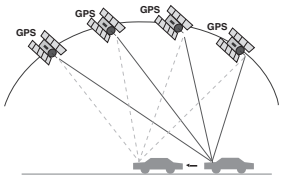
- Brightness: Touch ◀ or ▶ to adjust the brightness of screen.
- Contrast: Touch ◀ or ▶ to adjust the contrast of screen.
- Saturation: Touch ◀ or ▶ to adjust the saturation of screen.

＊Note

Touch [Center] to return to the default settings.

What is GPS?

The Global Positioning System (GPS) is a satellite-based navigation system made up of a network of 24 satellites placed into orbit by the U.S. Department of Defense.
GPS was originally intended for military applications, but in the 1980s, the government made the system available for civilian use.
GPS works in any weather conditions, anywhere in the world, 24 hours a day. There are no subscription fees or setup charges to use GPS.



About satellite signals

Your unit must acquire satellite signals to operate. If you are indoors, near tall buildings or trees, or in a parking garage, the unit cannot acquire satellite signal.

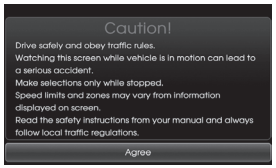
Acquiring satellite signals

Before the unit can find your current location and navigate a route, you must do the following steps:

1. Go outside to an area free from tall obstructions.
2. Turn on the unit.
   Acquiring satellite signals can take a few minutes.

Initial navigation screen

After the ignition switch is placed in the ACC or ON position, when you enter a navigation mode for the first time, the caution screen is displayed on the screen. Read the caution carefully and then touch [Agree].


Caution!
Drive safely and obey traffic rules.
Watching this screen while vehicle is in motion can lead to a serious accident.
Make selections only while stopped.
Speed limits and zones may vary from information displayed on screen.
Read the safety instructions from your manual and always follow local traffic regulations.
Agree

∗ Note

To change navigation system language, select [Language]. (Page 16)

Cannot identify the current location. (GPS not receiving)

GPS cannot be used indoors and must be connected to a power source with ACC in a vehicle in a location where the signal from the sky can be received easily.

When initially connecting the GPS, it usually takes about 10 minutes to be working normally, but the connection speed can differ depending on the weather condition, and surrounding obstacles.

If the GPS connection is unstable for a long period of time, try the following.

- Check if the product is connected to a power source.
- Check if your vehicle is in a location where the sky can be seen well.
- If there are high buildings or if you are under a tree, move to a location where there are no obstacles.

Cannot hear the voice guide.

The volume is not set correctly or turned off. Adjust the volume of voice guidance.

There is a difference between the driving road and the road on the map in the product.

Even though GPS is usually very accurate, there is a small margin for error. When the GPS receiver is installed, there can be an error of about 10m. But for newly built roads, the problem could come from the data update to the map.

Cannot see the map.

Perhaps you cannot see the map even when you have executed the navigation menu.

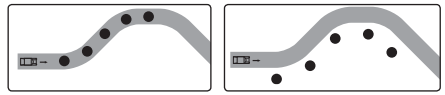
This happens when the data within the memory is damaged. Please reset all settings related with navigation. (Refer to the [Factory settings] on the page 17.)

The path guide can be different from the actual path. (Path guide error)

- When the road is closely parallel.
- When the splitting road angle is very small.
- When there is an adjacent road when turning.
- When driving on a road that is narrowing fast.
- When driving through the mountain or where the road is too curvy.
- When the starting, passing and arriving locations are too close within 1km.
- When you have set the starting, passing or arriving location more than 1km away from the road.
- When driving through the tunnel.

Map matching

As mentioned, the GPS systems used by this Navigation System are susceptible to certain errors. Their calculations may on occasion place you in a location the map where no road exists. In this situation, the processing system understands that vehicles travel only on roads, and is able to correct your position by adjusting it to a nearby road. This is called map matching.



With map matching. With no map matching.

Troubleshooting

Symptom	Cause	Correction
Power doesn't turn on. The unit doesn't operate.	The ignition switch is NOT turned ON.	Turn the ignition switch to ON.
	The ignition switch is NOT set to ACC.	Set the ignition switch to ACC.
	The power of unit is turned OFF.	Turn the unit on by pressing ⏻ on the control panel.
	Noise and other factors are causing the built-in microprocessor to operate incorrectly.	Turn the unit off and then on.
Playback is not possible.	The disc is dirty.	Clean disc.
	The loaded disc is a type this unit cannot play.	Check what type the disc is.
	The disc is inserted upside down.	Insert the disc with the label upward.
	The files on the disc are an irregular file format.	Check the file format.
There's no sound.	The volume level is low.	Adjust the volume.
	The mute is on.	Turn the mute off.

LIMITED WARRANTY

ORIGINAL NAVIGATION HEAD UNIT SUPPLIED BY VEHICLE DEALER

Product :
Product No. :

WHAT THIS WARRANTY COVERS

1. Vehicle Dealer Shop ("Dealer") warrants to you that the Hardware will be free from defects in workmanship and materials under Normal use ("Defects") from the original date of the registration of the motor vehicle ("Warranty Period").
   During the Warranty Period the Hardware will be repaired or replaced at DEALER's choice ("Limited Warranty") without charge to you for either parts or labor. This Limited Warranty covers the replacement of the head unit including of the Hardware only.

WHAT THIS WARRANTY DOES NOT COVER

2. The Limited Warranty does not apply to normal wear and tear, does not apply when the Hardware is opened or repaired by someone not authorized by DEALER and does not cover repair or replacement of any Hardware or part thereof damaged by: misuse, moisture, liquids, proximity or exposure to heat and accident, abuse, non-compliance with the instructions supplied with the Hardware, neglect or misapplication. The Limited Warranty does not cover physical damage to the surface of the Hardware. This Limited Warranty does not cover any software that may accompany or be installed on the Hardware.
   The Limited Warranty does not cover the installation, removal or maintenance of the Hardware or any costs related herewith.

HOW TO MAKE A WARRANTY CLAIM

3. In order to make a claim of a Defect, you must contact DEALER during the Warranty Period via support@cartronics.net.au to explain the Defect and to obtain an RMA number (Return Materials Authorization) if necessary.
   You must return the Hardware during the Warranty Period, along with the RMA number provided by DEALER and an explanation of the Defect, to the address provided to you by DEALER. If a defect arises and a valid claim under this Limited Warranty is received by DEALER after the Warranty Period, DEALER is entitled to charge you for any reasonable shipping and handling costs made in connection with the repair or replacement of the Hardware. You must comply with any other return procedures stipulated by DEALER, if any.

DEALER LIMITED WARRANTY

YOUR LEGAL RIGHTS

4. Some countries may not allow the exclusion or limitation of damages. If any part of this Limited Warranty is held to be invalid or unenforceable, the remainder of the Limited Warranty shall nonetheless remain in full force and effect.
5. This Limited Warranty is the only express warranty made to you and is provided in place of any other express warranties or similar obligations (if any) created by any advertising, documentation, packaging, or other communications.
6. Except for the Limited Warranty and to the maximum extent permitted by applicable law, DEALER and its suppliers provide the Hardware "AS IS AND WITH ALL FAULTS", and hereby disclaim all other warranties and conditions, whether express, implied or statutory, including, but not limited to, any (if any) implied warranties, duties or conditions of satisfactory quality, of fitness for a particular purpose, of reliability or availability, of accuracy or completeness of responses, of results, of workmanlike effort, of lack of viruses, and of reasonable care and skill, all with regard to the Hardware, and the provision of or failure to provide support or other services, information, software, and related content through the Hardware or otherwise arising out of the use of the Hardware. Also, there is no warranty or condition of quiet enjoyment, quiet possession, or non-infringement with regard to the Hardware.
7. This Limited Warranty does not affect any legal rights under applicable national legislation governing the sale of consumer goods.
8. This Limited Warranty cannot be transferred to any other person.

LIMITATION OF LIABILITY

9. Neither DEALER nor its suppliers shall be liable to you or to any third party for any damages either direct, indirect, incidental, consequential or otherwise (including in each case, but not limited to, damages for the inability to use the equipment or access data, loss of data, loss of business, loss of profits, business interruption or the like) arising out of the use of or inability to use the Hardware even if DEALER has been advised of the possibility of such damages.
10. Notwithstanding any damages that you might incur for any reason whatsoever, the entire liability of DEALER and any of its suppliers shall be limited to the amount actually paid by you for the Hardware.
11. DEALER shall not be liable for

(I) any fraud on the part of its employees and/or agents; or

(I) any fraudulent misrepresentation on the part of its employees and/or agents.

12. Notwithstanding the above, neither party's liability for death or personal injury resulting from its own negligence shall be limited.

SUPPORT - HOTLINE

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